Cited Reference 5

Japanese Patent Laid-Open (Kokai) No. 31389/1991 (or JP 3-31389 A)

(Open Date: February 12, 1991)

Japanese Patent Application No. 163661/1989

(Filing Date: June 28, 1989)

Applicant: Osaka Aerosol Industries Co., Ltd.

Title of Invention: Post-Application Foaming Gel Composition

Disclosure A: (Page 1, left lower column 3 to right lower column 7)
"2. Claims

- 1. A post-application foaming gel composition which comprises a gelling agent 0.01 to 5% by weight, a surfactant 0.01 to 5% by weight, water 40 to 98% by weight, a post-foaming agent 0.05 to 20% by weight, and/or which comprises further adding an active component 0.1 to 10% by weight, an alcohol 5 to 50% by weight, characterized in that said composition is maintained in a gelatinous state at least for 30 seconds at a normal temperature and under atmospheric pressure, when a shearing stress was added to hair, the composition foams, and when the shearing stress was continuously added, the composition destroys the foam in a short time."
- 2. The post-foaming gel composition according to claim 1 wherein the gelling agent is carboxyvinyl polymer, the surfactant is a nonionic form of HLB10 or above, the post-foaming agent is at least one selected from isopentane, normal pentane, isobutene, normal butane, propane and dimethyl ether, and in case where alcohol is contained, the alcohol is monohydric alcohol."
- 3. The post-foaming gel composition according to any one of claims 1 and 2 wherein the post-foaming agent comprises 80 % by weight or above of the component selected from isopentane and normal pentane and less than 20 % by weight of the component selected from isobutene, normal isobutene, propane and dimethyl ether."

JP 03-031389 A

PATENT ABSTRACTS OF JAPAN

(11)Publication number: 03-031389 (43)Date of publication of application: 12.02.1991

C09K 3/00
A61K 7/00
A61K 7/06
A61K 7/11
A61K 7/15
A61K 7/50
C08J 9/00
C08J 9/30

(21)Application number: 01-163661 (71)Applicant: OSAKA AEROSOL IND

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(22) Date of filing: 28.06.1989 (72) Inventor: MURANISHI MASAOMI

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(54) AFTER-FOAMABLE GEL COMPOSITION

(57) Abstract:

PURPOSE: To obtain a new gel composition showing after-foaming properties not containing soap, free from greasiness at all after use, comprising a gelatinizing agent, surfactant, water, after-foaming agent, etc., in a specific ratio.

CONSTITUTION: The title composition which contains (A) 0.01-5wt.% gelatinizing agent comprising preferably a carboxyvinyl polymer, (B) 0.01-5wt.% nonionic surfactant having preferably \geq 10 HLB, (C) 40-98wt.% water, (D) 0.5-20wt.% after-foaming agent consisting of preferably (i) \geq 80wt.% component comprising isopentane and/or n-pentane and (ii) \leq 20wt.% component selected from isobutane, n-butane and dimethyl ether and optionally (E) 0.1-10wt.% active component and (F) 5-50wt.% alcohol, maintains a gelatinous state at normal temperature under atmosphere for \geq 30 seconds, foams by applying shear stress to the composition and destroys foams in a short time by continuing application of shear stress.